

What Is Claimed Is:

1. A method of support of environmentally concerned design of manufactured goods,

wherein:

a confidentiality agreement is mutually concluded between an environmental evaluator that possesses an environmentally concerned design database and a plurality of assembly manufacturers;

the above manufacturers provide component list files constituted based on component structures related to their assembly products and materials and chemical substances thereof to the above environmental evaluator via a communication circuit; and

the above environmental evaluator performs a process of environmental evaluation of said products by computer based on the above environmentally concerned design database, and sends the evaluation results to the manufacturers of said assembly products via the communication circuit.

2. The method of support of environmentally concerned design of manufactured goods recited in claim 1, wherein:

the above manufacturers perform environmentally concerned design of the above assembly products by considering the above evaluation results.

3. The method of support of environmentally concerned design of manufactured goods recited in claim 1, wherein:

the above environmental evaluator acquires or possesses fundamental units and weight coefficients data related to said assembly products of said manufacturers, performs environmental effect evaluation of said assembly products based on that data, and provides

results of that evaluation to the above manufacturers.

4. The method of support of environmentally concerned design of manufactured goods recited in claim 1, wherein:

the above manufacturers acquire or possess necessary information for recycling from a recycling operator.

5. The method of support of environmentally concerned design of manufactured goods recited in claim 4, wherein:

the above necessary information includes decomposition work procedure, treatment cost and disposal cost/capability, unit price, decomposition time, and treatment and disposal details.

6. The method of support of environmentally concerned design of manufactured goods recited in claim 1, wherein:

the above environmental evaluator possesses at least an environmental effect evaluation database, a decomposability/recyclability database and an environmentally concerned design database.

7. The method of support of environmentally concerned design of manufactured goods recited in claim 1, wherein:

the design department of the above manufacturer provides environmentally concerned design data to the environmental management department of said manufacturer.

8. The method of support of environmentally concerned design of manufactured goods recited in claim 1, wherein:

the above manufacturer acquires information related to materials and chemical substances from the suppliers of components and materials.

9. A system for providing recycling support information comprising:

a means for creating a component list file from components structure data related to assembly products, and materials and chemical substances data thereof possessed by manufacturers;

a means for converting this component list file into web compliant data; and

a means for sending the above web compliant data to a recycling operator via a communication circuit.

10. A system for providing recycling support information comprising:

a means for creating a component list file from components structure data, and materials and chemical substances data based on design data of assembly products of a manufacturer that manufactures said assembly products;

a means for converting this component list file into web compliant data; and

a means for sending the converted component list file to a recycling operator via a communication circuit.

11. The system for providing recycling support information recited in claim 9 or 10 comprising:

a means for acquiring recycling process data of the above recycling operator by the above manufacturer via a communication circuit.

12. A method of providing recycling support information, wherein:

a component list file is created from components structure data, and materials and chemical substances data based on design data related to assembly products possessed by a manufacturer;

the above component list file is provided to a provider that possesses a system for providing recycling support information;

the above provider converts the above component list file into web compliant data; and
the above provider provides the above web compliant data to a recycling operator.

13. The method of providing recycling support information recited in claim 12, wherein:
the above provider converts history data such as decomposition records and inspection/repair records together with the above component list file into web compliant data;
and

the above provider provides the above web compliant data to the above recycling operator.

14. The method of providing recycling support information recited in claim 12, wherein:
the above manufacturer further provides CAD data and recycling process data.

15. The method of providing recycling support information recited in claim 12 or 13,
wherein:

the above recycling operator provides recycling process data to the above manufacturer.

16. The method of providing recycling support information recited in claim 12, wherein:
the above provider concludes a confidentiality agreement in advance with a plurality of manufacturers, and prevents leaking of information among manufacturers.

17. A method of support of environmental operation, wherein:

a confidentiality agreement is concluded between an environmental evaluator that possesses an environmental evaluation database and evaluation know-how and a plurality of manufacturers;

environmental data of design departments, manufacturing departments and environmental management departments related to assembly products of each manufacturer is sent to the above environmental evaluator via a communication circuit;

the above environmental evaluator performs a process of environmental evaluation of said products by computer based on the above database; and

the above evaluation results are sent to the above manufacturers via a communication circuit.

18. The method of support of environmental operation recited in claim 17, wherein:

the above evaluation results are informed a recycling operator and/or waste treatment operator based on agreement of the above manufacturers.

19. The method of support of environmental operation recited in claim 17 or 18, wherein:

operation support is performed in corporate or joint corporate group units of the above manufacturers.

Abstract of the Disclosure

In a method of support of environmentally concerned design of manufactured goods, making it such that a manufacturer can easily entrust environmental evaluation of manufactured goods to an external environmental evaluator, and the burden pertaining to environmental evaluation of manufactured goods of a manufacturer can be alleviated.

A confidentiality agreement is concluded between an environmental evaluator and manufacturer, the manufacturer provides component list files based on components structures, and materials and chemical substances related to assembly products to the environmental evaluator, the environmental evaluator performs a process of environmental evaluation of said

products by computer based on environmentally concerned design database 21d and sends the evaluation results to said manufacturer, and the manufacturer performs environmentally concerned design of the products by considering the evaluation results.

FIG. 10